

January 27, 2000

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AMENDMENT UNDER 37 CFR
§1.825(a) THROUGH (c)
Patent Application
Docket No. GJE-35

428 Rec'd PCT/PTO 27 JAN 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Daniel Henry Densham
Docket No. : GJE-35
For : Nucleic Acid Sequence Analysis

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT UNDER 37 CFR §1.825(a) THROUGH (c)

Sir:

Please amend the above-identified application as follows, in order to comply with the requirements of 37 CFR §§1.821-1.825:

In the Specification

N.E. Please insert the accompanying Sequence Listing as new page 16.

In the Claims

N.E. Please renumber pages 16-18 as 17-19.

Remarks

This amendment is made to conform the application with the provisions of 37 CFR §§1.821 through 1.825. I hereby certify that no new material is being added by this submission.

Respectfully submitted,



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Attachment: New page 16 of subject application.

January 27, 2000

PRELIMINARY AMENDMENT
Patent Application
Docket No. GJE-35

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Daniel Henry Densham
Docket No. : GJE-35
For : Nucleic Acid Sequence Analysis

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Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified patent application as follows:

In the Specification

After page 19: Please insert as new page 20 the attached Abstract of the Disclosure.

In the Claims

Claim 2, line 1: Delete "A" and insert --The--.

Claim 3, line 1: Delete "A" and insert --The--.

Claim 3, line 1: Delete "or claim 2".

Claim 4, line 1: Delete "A" and insert --The--.

Claim 4, line 1: Delete "or claim 2".

Claim 5, line 1: Delete "A" and insert --The--.

Claim 5, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 6, line 1: Delete "A" and insert --The--.

Claim 7, line 1: Delete "A" and insert --The--.

Claim 7, line 1: Delete "or claim 6".

Claim 8, line 1: Delete "A" and insert --The--.

Claim 9, line 1: Delete "A" and insert --The--.

Claim 10, line 1: Delete "A" and insert --The--.

Claim 10, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 11, line 1: Delete "A" and insert --The--.

Claim 11, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 12, line 1: Delete "A" and insert --The--.

Claim 12, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 13, line 1: Delete "A" and insert --The--.

Claim 13, line 1: Delete "any of claims 1 to 11" and insert --claim 1--.

Claim 14, line 1: Delete "A" and insert --The--.

Claim 14, line 1: Delete "any of claims 1 to 11" and insert --claim 1--.

Claim 15, line 1: Delete "A" and insert --The--.

Claim 15, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 16, line 1: Delete "A" and insert --The--.

Claim 16, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 17, line 1: Delete "A" and insert --The--.

Claim 18, line 1: Delete "A" and insert --The--.

Claim 18, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 19, line 1: Delete "A" and insert --The--.

Claim 20, line 1: Delete "A" and insert --The--.

Claim 21, line 1: Delete "A" and insert --The--.

Claim 21, line 1: Delete "any preceding claim" and insert --claim 1--.

Claim 24, line 1: Delete "A" and insert --The--.

Claim 25, line 1: Delete "A" and insert --The--.

Claim 25, line 1: Delete "or claim 24".

Claim 26, line 1: Delete "A" and insert --The--.

Claim 26, line 1: Delete "any of claims 23 to 25" and insert --claim 23--.

Claim 27, line 1: Delete "A" and insert --The--.

Claim 27, line 1: Delete "any of claims 23 to 26" and insert --claim 23--.

Claim 28, line 1: Delete "A" and insert --The--.

Claim 28, line 1: Delete "any of claims 23 to 27" and insert --claim 23--.

Please add the following new claims 30-35:

1 30. The method according to claim 2, wherein steps (i) and (ii) are conducted with
2 each of the different nucleotides in turn, until incorporation is detected, and then repeated.

1 31. The method according to claim 2, wherein step (i) is conducted with all the
2 nucleotides present.

1 32. The method according to claim 6, wherein the nucleotides comprise a further
2 blocking group at the terminal phosphate group of the triphosphate chain, and the further
3 blocking group is removed prior to the removal of the 3' blocking group.

1 33. The method according to claim 32, wherein the further blocking group can be
2 selectively removed by pulsed monochromatic light under conditions different from those
3 required to remove the 3' blocking group.

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1 34. The method according to claim 33, wherein the further blocking group is
2 removed by pulsing the monochromatic light for a duration different from that required to
3 remove the 3' blocking group.

1 35. The nucleotide according to claim 24, wherein the blocking group at the 3'
2 position is an o-nitrobenzyloxycarbonyl group.

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 or 1.17 as
required by this paper to Deposit Account 19-0065.

Respectfully submitted,



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Attachment: Abstract of the Disclosure